

A. M. A.
ARCHIVES OF
PATHOLOGY

EDITORIAL BOARD

GRANVILLE A. BENNETT, Chicago, Chief Editor

CHARLES E. DUNLAP, New Orleans

WILLIAM B. WARTMAN, Chicago

WILEY DAVIS FORBUS, Durham, N. C.

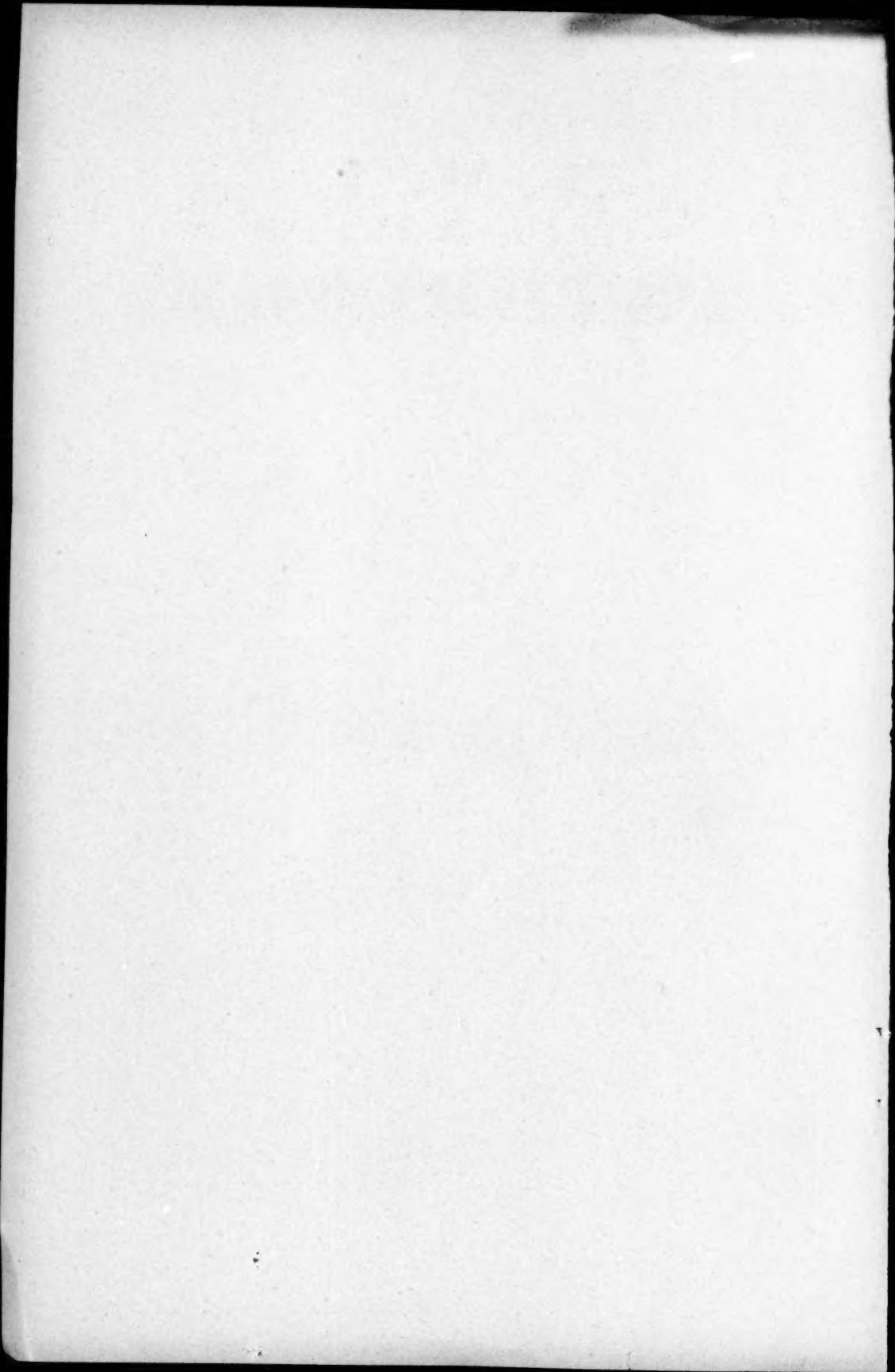
GEORGE H. WHIPPLE, Rochester, N. Y.

STUART LIPPINCOTT, Seattle

S. B. WOLBACH, Boston

VOLUME 55
1953

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO 10, ILL.



CONTENTS OF VOLUME 55

JANUARY 1953. NUMBER 1

	<small>PAGE</small>
Dissecting Aneurysms of the Aorta in Persons Under Forty Years of Age. Ira Gore, M.D., Washington, D. C.....	1
Pathology of a Pneumotropic Virus Recovered from C3H Mice Carrying the Bittner Milk Agent. Edwin R. Fisher, M.D., and Lawrence Kilham, M.D., Bethesda, Md.....	14
Histochemical Studies on the Lens Following Radiation Injury. Solbert Permutt, M.D., and Frank B. Johnson, M.D., Chicago.....	20
Postmortem X-Ray Studies of Congenital Malformations of the Heart. Ruby M. Collister, M.D.; J. Dankmeijer, M.D.; H. A. Snellen, M.D., and W. H. van der Wel, B.M., Leiden, Netherlands.....	31
Hypervitaminosis A in Young Ducks: The Epiphyseal Cartilages. S. Burt Wolbach, M.D., and D. Mark Hegsted, Ph.D., Boston.....	47
Nuclear Changes in Response to Continuous Irradiation. M. S. Burstone, Chicago.....	55
Diagnostic Significance of Fatty Cysts in Cirrhosis. W. Stanley Hartroft, B.Sc. (Med.), M.D., Ph.D., Toronto, Canada.....	63
Elastin Content of the Albuminoid Fraction of Human Aortae. Dorothy M. Kraemer, Ph.D., and Howard Miller, M.A., Brooklyn.....	70
Vasal Component in Syndrome of Foix and Alajouanine: "Subacute Necrotizing Myelitis." Karl T. Neubuerger, M.D.; Charles G. Freed, M.D., and John Denst, M.D., Denver...	73
Books	84

FEBRUARY 1953. NUMBER 2

Accelerated Hypertensive Vascular Disease from Saline and Renin in Nephrectomized Dogs. G. M. C. Masson, Ph.D.; George Plahl, M.D.; A. C. Corcoran, M.D., and I. H. Page, M.D., Cleveland.....	85
Endothelioma of Corpora Cavernosa of Penis. Theo. R. Waugh, M.D., Montreal, Canada..	98
Observations on Nature of Galactose Toxicity in Rats. John M. Craig, M.D., and Charlotte E. Maddock, Ph.D., Boston.....	118
Microscopic Differential Diagnosis of Latent Carcinoma of Prostate. Robert S. Totten, M.D.; M. W. Heinemann, M.D.; P. B. Hudson, M.D.; E. E. Sproul, M.D., and Arthur Purdy Stout, M.D., New York.....	131
Male Pseudohermaphroditism in Three Siblings. C. Cavallero, M.D., and F. Zanardi, M.D., Milan, Italy.....	142
Histochemical Changes in Irradiated Ovaries: I. Succinic Dehydrogenase Activity. Alvan G. Foraker, M.D.; Sam W. Denham, M.D., and M. Harlan Johnston, M.D., Atlanta..	147

FEBRUARY—Continued

	PAGE
Bilateral Ductus Arteriosus Representing Persistence of Each Sixth Aortic Arch: Report of a Case in Which There Were Associated Isolated Dextrocardia and Ventricular Septal Defects. John R. Kelsey Jr., M.D.; Clarence E. Gilmore, M.D., Paris, Texas, and Jesse E. Edwards, M.D., Rochester, Minn.	154
Primary Alveolar Cell Carcinoma of the Lung. John H. Fisher, M.D., London Ont., Canada, and W. J. Holley, M.D., Brantford, Ont., Canada	162
News and Comment	171
Books	172

MARCH 1953. NUMBER 3

Histogenesis of Breast Tumors in Rats Receiving 2-Acetylaminofluorene. Roderick C. Ross, M.D., M.Sc.; Robert F. Scarf, M.D., and Stanley C. Skoryna, M.D., M.Sc., Montreal, Canada	173
Polycerebrosides in Gaucher's Disease: I. Isolation, Composition, and Physical Properties. L. Lahut Uzman, M.D., Boston	181
Esophageal Varices Without Hepatic Cirrhosis. Norman Garrett Jr., M.D., and Edward A. Gall, M.D., Cincinnati	196
Nature and Genesis of Pulmonary Alterations in Carbon Tetrachloride Poisoning. Commander William Umiker (MC), U.S.N., and John Pearce, M.D., New York	203
Case Reports:	
Bacterial Endocarditis Due to <i>Pseudomonas Aeruginosa</i> . Burton A. Waibren, M.D., and Edward V. Hastings, M.D., Milwaukee	218
Pyloric Obstruction Due to Mucosal Diaphragm. Alexander N. Rota, M.D., Ottawa, Ont., Canada	223
General Reviews:	
Human Significance of Experimental Carcinogenesis. Paul E. Steiner, M.D., Chicago	227
Laboratory Methods and Technical Notes:	
Vertebral Column: Methods for Removal, Reconstruction, and Gross Sectioning. Golden Selin, M.D.; Samuel Schlyen, M.D., and Henry L. Jaffe, M.D., New York	245
News and Comment	253
Books	253

APRIL 1953. NUMBER 4

Acid Mucopolysaccharides of the Aorta. C. H. Bunting, M.D., and Henry Bunting, M.D., New Haven, Conn.	257
Effects of High Intensity Radiant Energy on Skin:	
I. Type of Injury and Its Relation to Energy Delivery Rate. G. E. Sheline, Ph.D., M.D.; E. L. Alpen, Ph.D.; P. R. Kuhl, A.B., and A. J. Ahokas, A.B., San Francisco	265
II. Quantitative Dependence of Tissue Injury on Duration of Exposure. E. L. Alpen, Ph.D.; G. E. Sheline, Ph.D., M.D.; P. R. Kuhl, A.B., and A. J. Ahokas, A.B., San Francisco	280

CONTENTS OF VOLUME 55

v

APRIL—Continued

	PAGE
Milk-Aspiration Pneumonia in Human and Animal Subjects. Thomas J. Moran, M.D., Pittsburgh	286
Developmental Brain Metabolism: Effects of Cortisone, Anoxia Fluoroacetate, Radiation, Insulin, and Other Inhibitors on the Embryo, Newborn, and Adult. Samuel P. Hicks, M.D., with the Technical Assistance of Alice A. Williams, Boston.....	302
Classification of Glandular Tumors of Salivary Glands: Study of One Hundred Forty- Three Cases. William H. Bauer, M.D., and John D. Bauer, M.D., St. Louis.....	328
Localizing Properties of Anti-Rat-Kidney Serum Prepared in Ducks. David Pressman, Ph.D.; Leonhard Korngold, Ph.D., New York, and Walter Heymann, M.D., Cleveland. 347	
News and Comment.....	349
Books	352

MAY 1953. NUMBER 5

Pathogenesis of Coronary Sclerosis. Paul H. Lober, M.D., Minneapolis.....	357
Dynamics of Inflammation and of Repair: III. Effects of Tissue Extracts and of Protein Split Products upon Capillary Permeability and upon Leucocytes. Virgil H. Moon, M.D., and George A. Tershakovec, M.D., Coral Gables, Fla.....	384
Comparison of Pathologic Effects of Radiation in Weanling and Adult Rats. George W. Casarett, Ph.D., Rochester, N. Y.....	393
Spontaneous Cryptococcosis of Marmoset Monkeys in Panama. Michael J. Takos, M.D., and Norman W. Elton, M.D., Ancon, Canal Zone.....	403
Myocarditis in Poliomyelitis. Henry A. Teloh, M.D., Chicago.....	408
Experimental Aberrant Mediastinal Goiters (Thymic) in the Rat. John H. Van Dyke, Ph.D., Philadelphia.....	412
Development of Pigmentary Cirrhosis in Cooley's Anemia. John Howell, M.D., and John P. Wyatt, M.D., St. Louis.....	423
Case Reports:	
Small Forms of Blastomyces Dermatitidis in Human Tissues. V. Tompkins, M.D., and J. Schleifstein, M.D., Albany, N. Y.....	432
News and Comment.....	436
Books	436

JUNE 1953. NUMBER 6

Lesions of the Pancreas in Malignant Hypertension: Review of One Hundred Cases at Necropsy. George T. Hranilovich, M.D., and Archie H. Baggenstoss, M.D., Rochester, Minn.	443
Pathology of Mumps Virus Meningoencephalitis in Mice and Hamsters. John R. Overman, M.D.; James H. Peers, M.D., and Lawrence Kilham, M.D., Bethesda, Md.....	457
Experimental Induction of Iron Overload in the Rat: I. Morphological Alterations Due to Dietary Siderosis. John P. Wyatt, M.D., and John Howell, M.D., St. Louis.....	466
Vascularity of the Early Subcutaneous Nodule of Rheumatoid Arthritis. Leon Sokoloff, M.D.; Robert T. McCluskey, M.D., and Joseph J. Bunim, M.D., New York.....	475

JUNE—Continued

PAGE

Relation of Glycogen, Phosphorylase, and Ground Substance to Calcification of Bone. Jane D. Cobb, M.S., West Lafayette, Ind.....	496
Effect of High Pyridoxine Intake in Cholesterol-Fed Chicks. William McFarland, M.D., State College, Pa.....	503
Effects of Anterior Hypophysis on Mammary Glands and Adrenals. Ruth Silberberg, M.D.; Martin Silberberg, M.D., and Marion Opdyke, B.A., St. Louis.....	506
Mechanism of Softening of Tubercles: II. Behavior of Desoxyribonuclease in Tubercles Developing in the Lungs of Rabbits. Charles Weiss, Ph.D., M.D., and Frank M. Singer, Ph.D., Philadelphia.....	516
News and Comment.....	530

INDEX TO VOLUME 55

Book Reviews are indexed under this heading in alphabetical order under the letter **B**.

Abnormalities and Deformities: See under names of organs and regions, as **Heart**

Acetylaminofluorene: See **Fluorene**

Adrenals

 effects of anterior hypophysis on mammary glands and [Silberberg & others], 566

Ahokas, A. J.

 Effects of high intensity radiant energy on skin: quantitative dependence of tissue injury on duration of exposure, 280

 Effects of high intensity radiant energy on skin: type of injury and its relation to energy delivery rate, 265

Alajouanine-Foix-Syndrome: See **Myelitis**

Alpen, E. L.

 Effects of high intensity radiant energy on skin: quantitative dependence of tissue injury on duration of exposure, 280

 Effects of high intensity radiant energy on skin: type of injury and its relation to energy delivery rate, 265

American Board of Pathology

 examinations, 171

American Goiter Association, 351

American Medical Association

 Section on Pathology and Physiology, program of annual session, 349

Anderson, W. A. D.

 appointment, 253

Anemia: See also **Gaucher's Disease**

 Cooley's: development of pigmentary cirrhosis in [Howell & Wyatt], 423

Aneurysms

 dissecting, of aorta in persons under 40 years of age [Gore], 1

Anoxia: See **Oxygen, deficiency**

Aorta

 abnormalities: bilateral ductus arteriosus representing persistence of each sixth aortic arch; associated isolated dextrocardia and ventricular septal defects [Kelsey & others], 154

 acru mucopolysaccharides [Bunting & Bunting], 257

 dissecting aneurysms in persons under 40 years of age [Gore], 1

 elastin content of albuminoid fraction [Kraemer & Miller], 70

Appointments, 253, 351, 530

Arteries: See **Aorta**; **Arteriosclerosis**; **Hypertension**; **coronary:** See **Coronary Vessels**

Arteriosclerosis

 coronary, pathogenesis [Löber], 357

 effect of high pyridoxine intake in cholesterol-fed chicks [McFarland], 503

Arthritis

 rheumatoid: vascularity of early subcutaneous nodule [Sokoloff & others], 475

Atherosclerosis: See **Arteriosclerosis**

Awards

 Markle Scholar, for G. D. Penick, 436

Bagenstoss, A. H.

 Lesions of pancreas in malignant hypertension: review of 100 cases at necropsy, 443

Bauer, J. D.

 Classification of glandular tumors of salivary glands: study of 143 cases, 328

Bauer, W. H.

 Classification of glandular tumors of salivary glands: study of 143 cases, 328

Blastomycosis

 dermatitidis: small forms in human tissues: report of case [Tompkins & Schleifstein], 432

Blood Pressure, High: See **Hypertension**

Bones: See also **Epiphyses**

 calcification, relation of glycogen, phosphorylase, and ground substance to [Cobb], 496

BOOK REVIEWS

American Pocket Medical Dictionary: Dictionary of Principal Terms Used in Medicine, Nursing, Pharmacy, Dentistry, Veterinary Science, and Allied Biological Subjects, 441

Anatomy of Nervous System: Its Development and Function: S. W. Hanson, 436

Atlas de anatomía patológica: M. R. Barré, 438

Atlas of Medical Mycology: E. S. Moss and A. L. McQuown, 440

Atlas of Tumor Pathology: Section III, Fascicle 9, Teratomas: R. A. Willis, 439

Atlas of Tumor Pathology: Section IV, Fascicle 16, Tumors of Carotid Body and Related Structures (Chemoreceptor System): P. M. LeCompte, 355

Atlas of Tumor Pathology: Section V, Fascicle 15, Tumors of Parathyroid Glands: B. Castleman, 255

Atlas of Tumor Pathology: Section V, Fascicle 17, Tumors of Lower Respiratory Tract: A. A. Liebow, 84

Atlas of Tumor Pathology: Section VIII, Fascicles 31b and 32, Tumors of Male Sex Organs: F. J. Dixon and R. A. Moore, 439

Atlas of Tumor Pathology: Section X, Fascicles 35 and 37, Tumors of Central Nervous System: J. W. Kernohan and G. P. Sayre, 254

Basic Medical Physiology: W. B. Youmans, 256

Diabetic Glomerulosclerosis: Specific Renal Disease of Diabetes Mellitus: H. Rifkin, L. Leiter, and J. Berkman, 84

Diseases of Metabolism: Detailed Methods of Diagnosis and Treatment: edited by G. G. Duncan, 442

Frühdiagnose des Uteruscarcinoms: H. Limburg, 254

Functional Endocrinology from Birth Through Adolescence: N. B. Talbot and others, 441

Gynecologic and Obstetric Pathology, with Clinical and Endocrine Relation: E. Novak, 440

Heredity in Uterine Cancer: D. P. Murphy, 255

Introduction to Medical Science: W. Boyd, 255

Krankheiten der Nasennebenhöhlen, der Ohren und des Halses im Röntgenbild (45. Ergänzungsband der "Fortschritte auf dem Gebiete der Röntgenstrahlen vereinigt mit Röntgenpraxis"), Second Edition: R. Mittermaier, 256

BOOK REVIEWS—Continued

Microscopic Histochemistry: Principles and Practice: G. Gomori, 354

Ophthalmic Pathology: J. S. Friedenwald and others, 437

Pathology of Diabetes Mellitus: S. Warren and P. M. LeCompte, 438

Pathology in Surgery: E. F. Hirsch, 442

Practical Blood Grouping Methods: R. L. Wall, 253

Reaction to Injury: Volume II. Reactions of Submission and Adaptation and Disease Entities Arising Out of Their Elaboration: W. D. Forbus, 352

Textbook of Clinical Pathology: edited by S. E. Miller, 437

Tuberkuloseablauf im Körper: D. W. Müller, 438

Urine and Urinary Sediment: R. W. Lippman, 439

Viral and Rickettsial Infections of Man: edited by T. M. Rivers, 356

Books Received: 84, 172, 253, 352, 436

Brain

- metabolism, developmental: effects of cortisone, anoxia, fluoracetate, radiation, insulin, and other inhibitors on embryo, newborn, and adult [Hicks], 362

Breast

- effects of anterior hypophysis on mammary glands and adrenals [Silberberg & others], 506
- tumors: histogenesis in rats receiving 2-acetylaminofluorene [Ross & others], 173

Bunim, J. J.

- Vascularity of early subcutaneous nodule of rheumatoid arthritis, 475

Bunting, C. H.

- Acid mucopolysaccharides of aorta, 257

Bunting, H.

- Acid mucopolysaccharides of aorta, 257

Burns

- effects of high intensity radiant energy on skin: quantitative dependence of tissue injury on duration of exposure [Alpen & others], 280
- effects of high intensity radiant energy on skin: type of injury and its relation to energy delivery rate [Sheline & others], 265

Burstone, M. S.

- Nuclear changes in response to continuous irradiation, 55

Cancer: See also under names of organs and regions diagnosis: microscopic differential diagnosis of latent carcinoma of prostate [Totten & others], 131

- human significance of experimental carcinogenesis [Steiner], 227

Capillaries

- permeability, effects of tissue extracts and of protein split products in inflammation and repair [Moon & Tersakovic], 384

Carbon Tetrachloride

- poisoning: nature and genesis of pulmonary alterations in [Umiker & Pearce], 293

Carcinogenesis: See **Cancer**

Carcinoma: See **Cancer**; and under names of organs and regions

Cartilage

- epiphyseal, effect of hypervitaminosis A in young ducks [Wolbach & Hegsted], 47

Casarett, G. W.

- Comparison of pathologic effects of radiation in weanling and adult rats, 393

Cavallo, C.

- Male pseudohermaphroditism in 3 siblings, 142

Cells

- nuclear changes in response to continuous irradiation [Burstone], 55

Cerebrosides

- polycerebrosides in Gaucher's disease: isolation, composition, and physical properties [Uzman], 181

Cholesterol

- metabolism: effect of high pyridoxine intake in cholesterol-fed chicks [McFarland], 503

Cirrhosis: See **Liver**

Cobb, J. D.

- Relation of glycogen, phosphorylase, and ground substance to calcification of bone, 496

Collister, R. M.

- Postmortem x-ray studies of congenital malformations of heart, 31; correction, 356

Corcoran, A. C.

- Accelerated hypertensive vascular disease from saline and renin in nephrectomized dogs, 85

Coronary Vessels

- sclerosis, pathogenesis [Lober], 357

Corpora Cavernosa: See **Penis**

Cortisone

- effects on developmental brain metabolism [Hicks], 362

Craig, J. M.

- Observations on nature of galactose toxicity in rats, 118

Cryptococcosis

- spontaneous, of marmoset monkeys in Panama [Takos & Elton], 403

Crystalline Lens: See **Lens, Crystalline**

Cysts: See under names of organs or regions, as **Liver**

Cytology: See **Cells**

Dankmeijer, J.

- Postmortem x-ray studies of congenital malformations of heart, 31; correction, 356

Denham, S. W.

- Histochemical changes in irradiated ovaries: succinic dehydrogenase activity, 147

Denst, J.

- Vasal component in syndrome of Foix and Alajouanine: "subacute necrotizing myelitis," 73

Desoxyribonuclease

- behavior in tubercles developing in lungs of rabbits: mechanism of softening of tubercles [Weiss & Singer], 516

Ductus Arteriosus

- bilateral, representing persistence of each sixth aortic arch: associated isolated dextrocardia and ventricular septal defects [Kelsey & others], 154

Edwards, J. E.

- Bilateral ductus arteriosus representing persistence of each sixth aortic arch: report of case in which there were associated isolated dextrocardia and ventricular septal defects, 154

Elastin

- content of albuminoid fraction of human aortae [Kraemer & Miller], 70

Elton, N. W.

- Spontaneous cryptococcosis of marmoset monkeys in Panama, 403

Endocarditis

- bacterial, due to *Pseudomonas aeruginosa* [Waisbren & Hastings], 218

Endothelioma
of corpora cavernosa of penis [Waugh], 98

Enzymes: See under names of enzymes, as Desoxyribonuclease; Phosphorylase

Epiphyses
cartilages: effect of hypervitaminosis A in young ducks [Wolbach & Hegsted], 47

Esophagus
varices without hepatic cirrhosis [Garrett & Gall], 196

Fisher, E. R.
Pathology of pneumotropic virus recovered from C3H mice carrying Blitner milk agent, 14

Fisher, J. H.
Primary alveolar cell carcinoma of lung, 162

Fluorene
histogenesis of breast tumors in rats receiving 2-acetylaminofluorene [Ross & others], 173

Fluoracetate
effects on developmental brain metabolism [Hicks], 302

Foix-Alajouanine Syndrome: See Myelitis

Foraker, A. G.
Histochemical changes in irradiated ovaries: succinic dehydrogenase activity, 147

Forbus, Wiley D.
appointment, 351

Freed, C. G.
Vasal component in syndrome of Foix and Alajouanine: "subacute necrotizing myelitis," 73

Galactose
toxicity, observations on nature in rats [Craig & Maddock], 118

Gall, E. A.
Esophageal varices without hepatic cirrhosis, 196

Garrett, N., Jr.
Esophageal varices without hepatic cirrhosis, 196

Gaucher's Disease
polycerebrosides in: isolation, composition, and physical properties [Uzman], 181

Gilmore, C. E.
Bilateral ductus arteriosus representing persistence of each sixth aortic arch: report of case in which there were associated isolated dextrocardia and ventricular septal defects, 154

Glycogen
phosphorylase, ground substance, and, relation to calcification of bone [Cobb], 496

Goiter
experimental aberrant mediastinal (thymic), in rat [Van Dyke], 412

Gore, I.
Dissecting aneurysms of aorta in persons under 40 years of age, 1

Hartrott, W. S.
Diagnostic significance of fatty cysts in cirrhosis, 63

Hastings, E. V.
Bacterial endocarditis due to *Pseudomonas aeruginosa*, 218

Heart: See also Endocarditis
abnormalities: bilateral ductus arteriosus representing persistence of each sixth aortic arch: associated isolated dextrocardia and ventricular septal defects [Kelsey & others], 154
abnormalities: postmortem x-ray studies [Collister & others], 31; correction, 356
myocarditis in poliomyelitis [Teloh], 408

Hegsted, D. M.
Hypervitaminosis A in young ducks: epiphyseal cartilages, 47

Heinemann, M. W.
Microscopic differential diagnosis of latent carcinoma of prostate, 131

Hermaphroditism
male pseudohermaphroditism in 3 siblings [Cavaliere & Zanardi], 142

Heymann, W.
Localizing properties of anti-rat-kidney serum prepared in ducks, 347

Hicks, S. P.
Developmental brain metabolism: effects of cortisone, anoxia, fluoroacetate, radiation, insulin, and other inhibitors on embryo, newborn, and adult, 302

Holley, W. J.
Primary alveolar cell carcinoma of lung, 162

Howell, J.
Development of pigmentary cirrhosis in Cooley's anemia, 423
Experimental induction of iron overload in rat: morphological alterations due to dietary siderosis, 466

Hranilovich, G. T.
Lesions of pancreas in malignant hypertension: review of 100 cases at necropsy, 443

Hudson, P. B.
Microscopic differential diagnosis of latent carcinoma of prostate, 131

Hypertension
accelerated hypertensive vascular disease from saline and renin in nephrectomized dogs [Masson & others], 85
malignant, lesions in pancreas in: review of 100 cases at necropsy [Hranilovich & Baggenstoss], 443

Hypervitaminosis: See Vitamins

Hypophysis: See Pituitary Body

Inflammation
and repair, dynamics: effects of tissue extracts and of protein split products upon capillary permeability and upon leucocytes [Moon & Tershakovec], 384

Insulin
effects on developmental brain metabolism [Hicks], 302

International Association of Medical Museums, 171

Iron
metabolism: experimental induction of iron overload in rat: morphological alterations due to dietary siderosis [Wyatt & Howell], 466

Irradiation: See Radiation

Jaffe, H. L.
Vertebral column: methods for removal, reconstruction, and gross sectioning, 245

Johnson, F. B.
Histochemical studies on lens following radiation injury, 20

Johnston, M. H.
Histochemical changes in irradiated ovaries: succinic dehydrogenase activity, 147

Kelsey, J. R., Jr.
Bilateral ductus arteriosus representing persistence of each sixth aortic arch: report of case in which there were associated isolated dextrocardia and ventricular septal defects, 154

Kidneys

excision: accelerated hypertensive vascular disease from saline and renin in nephrectomized dogs [Masson & others], 85

localizing properties of anti-rat-kidney serum prepared in ducks [Pressman & others], 347

Kilham, L.

Pathology of mumps virus meningoencephalitis in mice and hamsters, 457

Pathology of pneumotropic virus recovered from C3H mice carrying Bittner milk agent, 14

Korngold, L.

Localizing properties of anti-rat-kidney serum prepared in ducks, 347

Kraemer, D. M.

Elastin content of albuminoid fraction of human aortae, 70

Kuhl, P. R.

Effects of high intensity radiant energy on skin: quantitative dependence of tissue injury on duration of exposure, 280

Effects of high intensity radiant energy on skin: type of injury and its relation to energy delivery rate, 265

Lectures

Ludwig Hektoen memorial lecture, 530

Lens, Crystalline

histochemical studies following radiation injury [Permutt & Johnson], 28

Leucocytes

In inflammation and repair: effects of tissue extracts and of protein split products [Moon & Tershakovec], 384

Liver

cirrhosis: diagnostic significance of fatty cysts in [Hartroft], 63

cirrhosis: esophageal varices without [Garrett & Gall], 196

cirrhosis, pigmentary, development in Cooley's anemia [Howell & Wyatt], 423

Löber, P. H.

Pathogenesis of coronary sclerosis, 357

Lungs: See also Pneumonia

alterations in carbon tetrachloride poisoning, nature and genesis of [Umliker & Pearce], 203

carcinoma, primary alveolar cell [Fisher & Holley], 162

tubercles, mechanism of softening: behavior of deoxyribonuclease in lungs of rabbits [Weiss & Singer], 516

McCluskey, R. T.

Vascularity of early subcutaneous nodule of rheumatoid arthritis, 475

McFarland, W.

Effect of high pyridoxine intake in cholesterol-fed chicks, 503

McManus, J. F. A.

appointment, 530

Maddock, C. E.

Observations on nature of galactose toxicity in rats, 118

Mammary Glands: See Breast

Masson, G. M. C.

Accelerated hypertensive vascular disease from saline and renin in nephrectomized dogs, 85

Mediastinum

experimental aberrant mediastinal goiters (thymic) in rat [Van Dyke], 412

Meningoencephalitis

mumps virus, pathology in mice and hamsters [Overman & others], 457

Milk

milk-aspiration pneumonia in human and animal subjects [Moron], 286

Miller, H.

Elastin content of albuminoid fraction of human aortae, 70

Moon, V. H.

Dynamics of inflammation and of repair: effects of tissue extracts and of protein split products upon capillary permeability and upon leucocytes, 384

Moran, T. J.

Milk-aspiration pneumonia in human and animal subjects, 286

Mucopolysaccharides: See Saccharides

Mumps

virus meningoencephalitis, pathology in mice and hamsters [Overman & others], 457

Myelitis

subacute necrotizing: vasal component in syndrome of Foix and Alajouanine [Neubuerger & others], 73

Myocarditis

in poliomyelitis [Teloh], 408

Nephrectomy: See Kidneys, excision

Neubuerger, K. T.

Vasal component in syndrome of Foix and Alajouanine: "subacute necrotizing myelitis," 73

Nodes

vasularity of early subcutaneous nodule of rheumatoid arthritis [Sokoloff & others], 475

Opdyke, M.

Effects of anterior hypophysis on mammary glands and adrenals, 506

Ovary

irradiated, histochemical changes in: succinic dehydrogenase activity [Foraker & others], 147

Overman, J. R.

Pathology of mumps virus meningoencephalitis in mice and hamsters, 457

Oxygen

deficiency: effects on developmental brain metabolism [Hicks], 302

Page, I. H.

Accelerated hypertensive vascular disease from saline and renin in nephrectomized dogs, 85

Pancreas

lesions in malignant hypertension: review of 100 cases at necropsy [Branilovich & Baggenstos], 443

Parotid Gland: See Salivary Glands

Pearce, J.

Nature and genesis of pulmonary alterations in carbon tetrachloride poisoning, 203

Peers, J. H.

Pathology of mumps virus meningoencephalitis in mice and hamsters, 457

Penis

endothelioma of corpora cavernosa [Waugh], 98

Permutt, S.

Histochemical studies on lens following radiation injury, 20

Phosphorylase

glycogen, ground substance, and, relation to calcification of bone [Cobb], 496

Pituitary Body

anterior, effects on mammary glands and adrenals [Silberberg & others], 506

Plahl, G.
Accelerated hypertensive vascular disease from saline and renin in nephrectomized dogs, 85

Pneumonia
milk-aspiration, in human and animal subjects [Moran], 286

pathology of pneumotropic virus recovered from C3H mice carrying Bittner milk agent [Fisher & Kilham], 14

Poisons and Poisoning: See under names of specific substances, as Carbon Tetrachloride

Poliomyelitis
myocarditis in [Teloh], 408

Polycerebrosides: See Cerebrosides

Pressman, D.
Localizing properties of anti-rat-kidney serum prepared in ducks, 347

Prostate
carcinoma, latent, microscopic differential diagnosis [Totten & others], 131

Proteins
split products in inflammation and repair: effects upon capillary permeability and upon leucocytes [Moon & Tershakovec], 384

Pseudohermaphroditism: See Hermaphroditism

Pseudomonas
aeruginosa: bacterial endocarditis due to [Waisbren & Hastings], 218

Pylorus
obstruction due to mucosal diaphragm [Rota], 223

Pyridoxine
effect of high intake in cholesterol-fed chicks [McFarland], 503

Radiation: See also X-Rays
comparison of pathologic effects in weanling and adult rats [Casarett], 393
effects on developmental brain metabolism [Hicks], 302
histochemical changes in irradiated ovaries: succinic dehydrogenase activity [Foraker & others], 147
histochemical studies on lens following [Permutt & Johnson], 20
nuclear changes in response to continuous irradiation [Burstone], 55

Roentgen Rays: See X-Rays

Ross, R. C.
Histogenesis of breast tumors in rats receiving 2-acetylaminofluorene, 173

Rota, A. N.
Pyloric obstruction due to mucosal diaphragm, 223

Saccharides
acid mucopolysaccharides of aorta [Bunting & Bunting], 257

Salivary Glands
glandular tumors, classification: study of 143 cases [Bauer & Bauer], 328

Scarf, R. F.
Histogenesis of breast tumors in rats receiving 2-acetylaminofluorene, 173

Schleifstein, J.
Small forms of Blastomyces dermatitidis in human tissues: report of case, 432

Schlyen, S.
Vertebral column: methods for removal, reconstruction, and gross sectioning, 245

Sclerosis: See Arteriosclerosis

Selin, G.
Vertebral column: methods for removal, reconstruction, and gross sectioning, 245

Serum
anti-rat-kidney, prepared in ducks: localizing properties [Pressman & others], 347

Sheline, G. E.
Effects of high intensity radiant energy on skin: quantitative dependence of tissue injury on duration of exposure, 286

Effects of high intensity radiant energy on skin: type of injury and its relation to energy delivery rate, 265

Siderosis
dietary: experimental induction of iron overload in rat: morphological alterations due to [Wyatt & Howell], 466

Silberberg, M.
Effects of anterior hypophysis on mammary glands and adrenals, 506

Silberberg, R.
Effects of anterior hypophysis on mammary glands and adrenals, 506

Singer, F. M.
Mechanism of softening of tubercles: behavior of desoxyribonuclease in tubercles developing in lungs of rabbits, 516

Skin
effects of high intensity radiant energy on: quantitative dependence of tissue injury on duration of exposure [Alpen & others], 286
effects of high intensity radiant energy on: type of injury and its relation to energy delivery rate [Sheline & others], 265

Skoryna, S. C.
Histogenesis of breast tumors in rats receiving 2-acetylaminofluorene, 173

Snellen, H. A.
Postmortem x-ray studies of congenital malformations of heart, 31; correction, 356

Societies
American Goiter Association, 351
American Medical Association, 349
International Association of Medical Museums, 171
Sociedad Venezolana de Anatomía Patológica, 530

Sokoloff, L.
Vascularity of early subcutaneous nodule of aneomatoïd arthritis, 475

Spinal Cord
vascular component in syndrome of Foix and Alajouanine [Neubuerger & others], 73

Spine
vertebral column: methods for removal, reconstruction, and gross sectioning [Selin & others], 245

Sprout, E. E.
Microscopic differential diagnosis of latent carcinoma of prostate, 131

Steiner, P. E.
Human significance of experimental carcinogenesis, 227

Stout, A. P.
Microscopic differential diagnosis of latent carcinoma of prostate, 131

Takes, M. J.
Spontaneous cryptococcosis of marmoset monkeys in Panama, 403

Teloh, H. A.
Myocarditis in poliomyelitis, 408

Tershakovec, G. A.

Dynamics of inflammation and of repair: effects of tissue extracts and of protein split products upon capillary permeability and upon leucocytes, 384

Thymus

experimental aberrant mediastinal goiters (thymic) in rat [Van Dyke], 412

Tissue

extracts in inflammation and repair: effects upon capillary permeability and upon leucocytes [Moon & Tershakovec], 384

Tompkins, V.

Small forms of *Blastomyces dermatitidis* in human tissues: report of case, 432

Torulosis: See Cryptococcosis

Totten, R. S.

Microscopic differential diagnosis of latent carcinoma of prostate, 131

Tuberculosis

mechanism of softening of tubercles: behavior of desoxyribonuclease in tubercles developing in lungs of rabbits [Weiss & Singer], 516

Tumors: See Cancer; and under names of organs and regions

Umiker, W.

Nature and genesis of pulmonary alterations in carbon tetrachloride poisoning, 203

Uzman, L. L.

Polycerobiosides in Gaucher's disease: isolation, composition, and physical properties, 181

van der Wel, W. H.

Postmortem x-ray studies of congenital malformations of heart, 31; correction, 356

Van Dyke, J. H.

Experimental aberrant mediastinal goiters (thymic) in rat, 412

Vertebrae: See Spine

Virus

pneumotropic, recovered from C3H mice carrying Bittner milk agent: pathology [Fisher & Kilham], 14

Vitamins: See also Pyridoxine

A: hypervitaminosis in young ducks: epiphyseal cartilages [Wolbach & Hegsted], 47

Walsh, B. A.

Bacterial endocarditis due to *Pseudomonas aeruginosa*, 218

Waugh, T. R.

Endothelioma of corpora cavernosa of penis, 98

Weiss, C.

Mechanism of softening of tubercles: behavior of desoxyribonuclease in tubercles developing in lungs of rabbits, 516

Wolbach, S. B.

Hypervitaminosis A in young ducks: epiphyseal cartilages, 47

Wyatt, J. P.

Development of pigmentary cirrhosis in Cooley's anemia, 423

Experimental induction of iron overload in rat: morphological alterations due to dietary siderosis, 466

X-Rays: See also Radiation

comparison of pathologic effects of radiation in weanling and adult rats [Casaretti], 393
postmortem studies of congenital malformations of heart [Collister & others], 31; correction, 356

Zanardi, F.

Male pseudohermaphroditism in 3 siblings, 142

**A. M. A.
ARCHIVES OF
PATHOLOGY**

EDITORIAL BOARD

GRANVILLE A. BENNETT, Chicago, Chief Editor

CHARLES E. DUNLAP, New Orleans

WILEY DAVIS FORBUS, Durham, N. C.

STUART LIPPINCOTT, Seattle

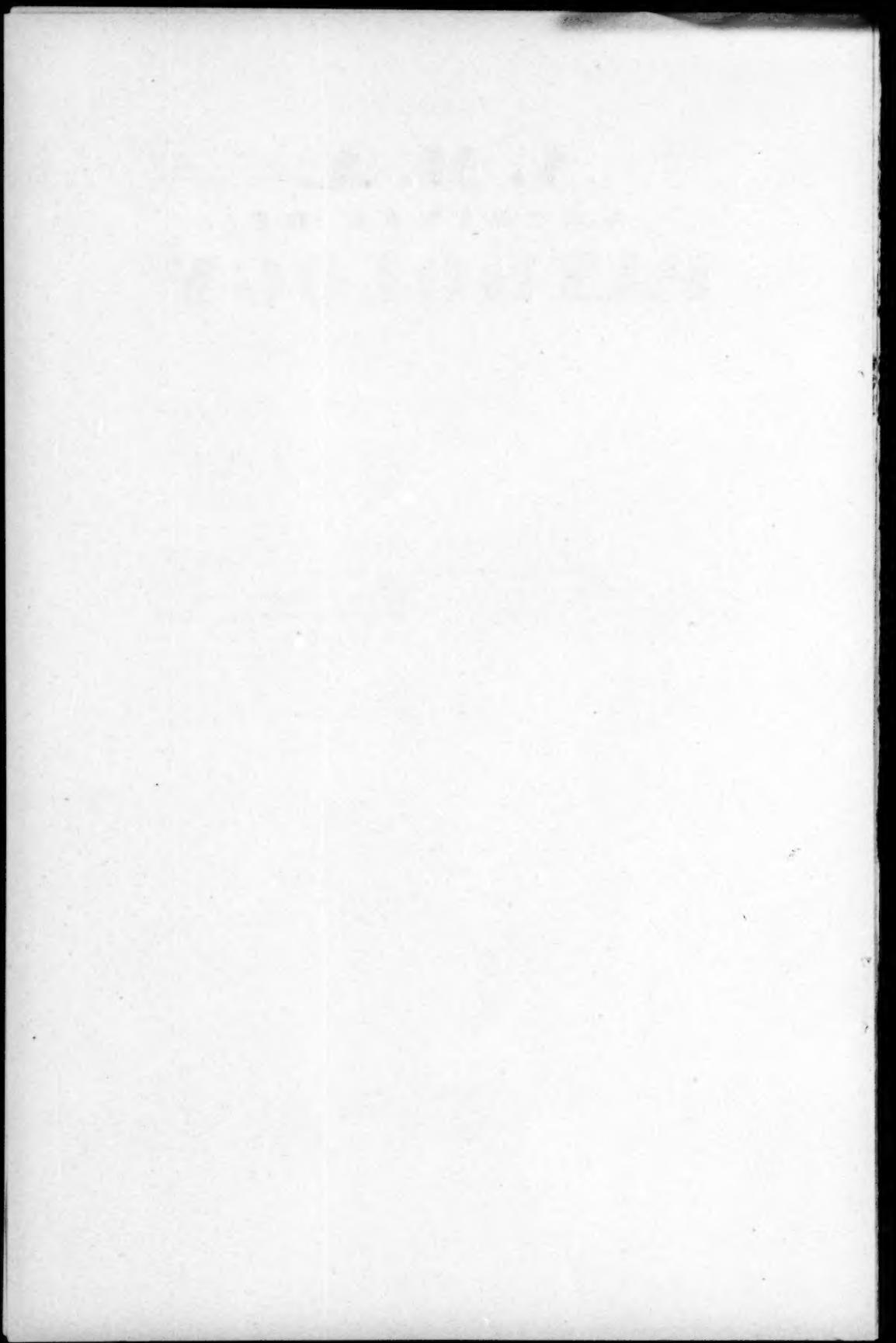
WILLIAM B. WARTMAN, Chicago

GEORGE H. WHIPPLE, Rochester, N. Y.

S. B. WOLBACH, Boston

**VOLUME 56
1953**

**PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO 10, ILL.**



CONTENTS OF VOLUME 56

JULY 1953. NUMBER 1

	PAGE
Investigation of Radium Deposition in Human Skeleton by Gross and Detailed Autoradiography. William B. Looney, M.D., and Lois A. Woodruff, B.A., Lemont, Ill.....	1
Effect of Hemolytic Toxin of Streptococcus Pyogenes on Viral Myocarditis in Rabbit. John Musser Pearce, M.D., New York.....	13
Acute Diffuse Vascular Disease Elicited by Renin in Rats Pretreated with Cortisone. G. M. C. Masson, Ph.D.; Francesco del Greco, M.D.; A. C. Corcoran, M.D., and I. H. Page, M.D., Cleveland.....	23
Retardation of Atheromatosis and Adrenal Enlargement by Heparin in the Rabbit. Paris Constantinides, M.D., Ph.D.; George Szasz, and Fred Harder, Vancouver, B. C., Canada.....	36
Breast Stroma: Morphological and Histochemical Study. Menard Ihnen, M.D., and Ruy Perez-Tamayo, M.D., St. Louis.....	46
Relationship of Asteroid Bodies to Lipids. William E. Jaques, M.D., Boston.....	68
Hydropic Changes in Beta Cells of Islets of Langerhans: Experimental Hydropic Changes Not Associated with Diabetes Mellitus. S. T. Nerenberg, M.D., Minneapolis.....	75
Case Reports:	
Mucoepidermoid Carcinoma of the Salivary Gland: Report of a Case with Autopsy Findings. Hugh W. Macintyre, M.B., B.S. (Lond.), M.R.C.P. (Edin.), Liverpool, England	79
General Reviews:	
Histiocytosis X: Integration of Eosinophilic Granuloma of Bone, "Letterer-Siwe Disease," and "Schüller-Christian Disease" as Related Manifestations of a Single Nosologic Entity. Louis Lichtenstein, M.D., Los Angeles.....	84

AUGUST 1953. NUMBER 2

Comparative Study of the Reaction to Injury: II. Hypervitaminosis D in the Frog with Special Reference to the Lime Sacs. Hans G. Schlumberger, M.D., and Donald H. Burk, A.B., Columbus, Ohio.....	103
Effect of Injecting Rats with Homologous Renal Tissue Mixed with Adjuvants or Streptococci. Elliott Middleton Jr., M.D.; Elizabeth B. Middleton, B.S., and Beatrice C. Seegal, M.D., New York.....	125
Potassium Dichromate Poisoning and Repeated Poisoning with Uranyl Nitrate: Effect on Serum Lipids of Rabbits. Frederick C. Bauer Jr., M.D.; Edwin F. Hirsch, M.D.; Lynn Carbonaro, M.S., and Grant C. Johnson, M.D., Chicago.....	135
Case Reports:	
Anomalous Origin of Left Coronary Artery from Pulmonary Artery (Bland-White-Garland Syndrome): Report of Two Cases. John V. Denko, M.D., Seattle, and Cornelius S. Hagerty, M.D., Chicago.....	142
General Reviews:	
Cultivation of Viruses: A Critical Review. Murray Sanders, M.D.; Iris Kiem, M.S., and David Lagunoff, South Miami, Fla.....	148
News and Comment.....	226
Books	227

SEPTEMBER 1953. NUMBER 3

	PAGE
Protective Influence of Pregnancy on Experimental Collagen Disease Lesions. Russell L. Holman, M.D., and Chester K. Jones, M.D., New Orleans.....	231
Aging Processes of Aorta and Pulmonary Artery in Negro and White Races: Comparative Study of Various Segments. S. H. Gray, M.D.; Fred P. Handler, M.D.; J. Owen Blache, M.D.; Jack Zuckner, M.D., and H. T. Blumenthal, Ph.D., M.D., St. Louis.....	238
Subacute Cerebral Fat Embolism Complicated by Juxtaembolic Thrombosis of Fibrin. Jan Cammermeyer, M.D., Washington, D. C.....	254
Effect of Aureomycin on Experimental Arteriosclerosis and Serum Cholesterol Levels. Dorothy Nelson, Ph.D.; A. C. Ivy, Ph.D., Chicago; Rudolf Altschul, M.U.Dr., Saskatoon, Sask., Canada, and Robert Willheim, M.D., Chicago.....	262
Experimental Endocarditis in Normal Animals and in Animals Treated with Cortisone. B. J. Clawson, M.D., Ph.D., Minneapolis.....	268
Observations on Thyroid Colloid. Edwin R. Fisher, M.D., Bethesda, Md.....	275
Hypertension in Bilaterally Nephrectomized Dogs in Absence of Exogenous Sodium Excess: Maintenance of Fluid Balance During Peritoneal Irrigation. E. E. Muirhead, M.D.; F. Jones, M. S., and P. Graham, B. S., Dallas, Texas.....	286
Hematoxylin Bodies Associated with Allergic Angitis in Absence of Lupus Erythematosus. Barney Worken, M.D., and Robert D. Pearson, M.D., New York.....	293
Sarcoma of the Endometrial Stroma. William B. Ober, M.D., and Robert S. Jason, M.D., Washington, D. C.....	301
Case Reports:	
Visceral "Viral" Dissemination in a Patient with Bronchogenic Carcinoma: Report of a Case with Autopsy Findings. Leo Kaplan, M.D., and J. B. Tully, M.D., Los Angeles.....	312
Generalized Salivary Gland Virus Infection: Report of a Case of Its Occurrence in an Adult. G. Amromin, M.D., Exeter, Calif.....	323
News and Comment.....	328
Books	328

OCTOBER 1953. NUMBER 4

Effect of Hypervitaminosis A on the Testes of the Rat. Charlotte L. Maddock, Ph.D., M.D.; Jonathan Cohen, M.D., and S. Burt Wolbach, M.D., Boston.....	333
Germinal Nature of Teratoid Tumors of the Thymus. William S. Pugsley, M.D., and Rodney L. Carleton, M.D., Los Angeles.....	341
Necrotizing Nephrosis in the Rat Following Administration of Carbon Tetrachloride. Robert B. Jennings, M.D., and Walter M. Kearns Jr., M.D., Chicago.....	348
Histochemical Studies in Cytomegalic Inclusion Disease. Jacob Dyckman, M.D., New York, and Joseph Bellamy, Hudson, N. Y.....	360
Rhabdomyosarcoma of the Vulva and Vagina. William B. Ober, M.D.; Richard E. Palmer, M.D., Washington, D. C., and Captain Frank J. Glassy, Medical Corps, United States Army	364
Inhibition of Maturation of Duck Erythrocytes by Sodium Selenite: The Counteraction of This Effect by Cysteine. R. H. Rigdon, M.D.; G. Crass, M.D., and Kenneth P. McConnell, Ph.D., Galveston, Texas.....	374
Free Cysts of the Peritoneal Space: Report of Four Examples Disclosed at Operation or Autopsy. C. G. Tedeschi, M.D., and M. M. Helpern, M.D., Framingham, Mass.....	386
Case Reports:	
Coexisting Congenital Stenoses of Aortic and Pulmonic Ostia. Goetz W. Richter, M.D., New York.....	392

CONTENTS OF VOLUME 56

v

OCTOBER—Continued

	PAGE
General Reviews:	
Pathology of Epidemic Typhus: Report of Fatal Cases Studied by United States of America Typhus Commission in Cairo, Egypt, During 1943-1945. (To Be Continued). Prepared by the Committee on Pathology, Division of Medical Sciences, National Research Council, with Collaboration of the Armed Forces Institute of Pathology	397
News and Comment.....	436

NOVEMBER 1953. NUMBER 5

Perosis: Epiphyseal Cartilage in Choline and Manganese Deficiencies in the Chick. S. Burt Wolbach, M.D., and D. Mark Hegsted, Ph.D., Boston.....	437
Blood Changes in Man Following Death Due to Drowning, with Comments on Tests for Drowning. Stanley H. Durlacher, M.D.; Henry C. Freimuth, Ph.D., and Henry E. Swan Jr., M.S., Baltimore.....	454
Cancer Associated with Ovarian Stromal Hyperplasia. Sheldon C. Sommers, M.D., and Olive M. Lombard, M.S., Boston.....	462
Is Histologic Grading of Colon Carcinoma a Valid Procedure? Robert E. Qualheim, M.D., and Edward A. Gall, M.D., Cincinnati.....	466
Effect of Streptococcal Growth Products on Development of Experimental Viral Arthritis. Leon Sokoloff, M.D., Bethesda, Md., and Paul M. Beegel, M.D., New York.....	473
Morphology of the Kidney in Morbus Caeruleus. Hubert Meessen, M.D., and Murray A. Litton, B.S., Düsseldorf, Germany.....	480
Case Reports:	
Leontiasis Ossea, Slipped Epiphyses, and Granulosa Cell Tumor of Testis with Renal Disease: Report of a Case with Autopsy Findings. Jonathan Cohen, M.D., and Israel Diamond, M.D., Boston.....	488
Coarctation of Celiac Artery. Philip G. Piper, M.D., Madison, Wis.....	501
A Uterus in a Man. Robert W. Prichard, M.D., Winston-Salem, N. C.....	505
General Reviews:	
Pathology of Epidemic Typhus: Report of Fatal Cases Studied by United States of America Typhus Commission in Cairo, Egypt, During 1943-1945. (Concluded) Prepared by the Committee on Pathology, Division of Medical Sciences, National Research Council, with Collaboration of the Armed Forces Institute of Pathology..	512
Books	554

DECEMBER 1953. NUMBER 6

Pathology of Muscle Changes in Experimental Poliomyelitis Enhanced with Aid of Cortisone. Stanley M. Aronson, M.D., and Gregory Shwartzman, M.D., New York....	557
Action of Phoselite on Alloxan Diabetes in Rats and Rabbits. Joseph F. McCloskey, M.D.; Philip T. Chu, M.D., and Ella Perkins, M.S., Philadelphia.....	572
Pathologic Anatomy of Coronary Heart Disease: Particular Reference to Cardiac Muscle Bundles. John B. Miale, M.D., and Alene Bledsoe, M.D., Marshfield, Wis.....	577
Intracapillary Precipitates Produced in Rabbits by Means of Sodium Polyanetholsulfonate. Robert Hausman, M.D., Atlanta, and Pierre M. Dreyfus, M.D., Boston.....	597
Calcium and Magnesium Content of Albuminoid Fraction of Human Aortae. Howard Miller, M.A.; Albert Hirschman, Ph.D., and Dorothy M. Kraemer, Ph.D., Brooklyn...	607
Experimental Thyroid Tumorigenesis in Rats: Predominance of Neoplasm Type and Influence of Age. John H. Van Dyke, Ph.D., Philadelphia.....	613

DECEMBER—Continued

	PAGE
Effect of Cortisone and Partial Starvation on Liver Regeneration. Ruy Perez-Tamayo, M.D.; William R. Murphy, M.D., and Menard Ihnen, M.D., St. Louis.....	629
Cerebrovascular Siderosis in Horses. Leon Z. Saunders, D.V.M., Upton, N. Y.	637
Case Reports:	
Argentaffin Carcinoma (Carcinoid) of Meckel's Diverticulum with Metastasis to Liver. Henry C. Stoll, M.D., Brooklyn.....	643
Laboratory Methods and Technical Notes:	
Use of Potassium Cyanide in the Giemsa Stain. Daniel M. Eisler, Ph.D., and Robert E. Bevis, A.B., Oakland, Calif.....	647
New Method for Staining Mycobacteria in Tissue Sections. J. W. Berg, M.D., New York	650
News and Comment.....	653
Books	654

INDEX TO VOLUME 56

Book Reviews are indexed under this heading in alphabetical order under the letter B.

Abnormalities and Deformities: See under names of organs and regions, as *Heart*

Adrenal Preparations: See *Cortisone*

Adrenals
enlargement, and retardation of atheromatosis by heparin in rabbit [Constantinides & others], 36

Age
aging processes of aorta and pulmonary artery in Negro and white races [Gray & others], 238
influence in thyroid tumorigenesis in rats [Van Dyke], 613

Alimentary Tract: See *Digestive System*

Allergy
hematoxylin bodies associated with allergic angitis in absence of lupus erythematosus [Worken & Pearson], 293

Altschul, R.
Effect of aureomycin on experimental arteriosclerosis and serum cholesterol levels, 262

American Academy of Forensic Sciences, 436

American Association of Blood Banks, 226

American Cancer Society, 328

American Society for Experimental Pathology, 226

Amromin, G.
Generalized salivary gland virus infection: report of case of its occurrence in adult, 323

Angitis
allergic, hematoxylin bodies associated with, in absence of lupus erythematosus [Worken & Pearson], 293

Anomalies: See under names of organs and regions, as *Heart*

Aorta
aging processes in Negro and white races [Gray & others], 238
calcium and magnesium content of albuminoid fraction of human aortae [Miller & others], 607
coarctation of celiac axis at origin from [Piper], 501
stenoses of aortic and pulmonic ostia, coexisting congenital [Eichler], 392

Appointments
Fitzgerald, Patrick James, 436
French, A. James, 436
Kuzma, Joseph F., 436
Miale, John D., 436
Moore, Robert A., 653
Oliver, Jean, 436

Armed Forces Institute of Pathology
laying of cornerstone, 653

Aronson, S. M.
Pathology of muscle changes in experimental poliomyelitis enhanced with aid of cortisone, 557

Arteries: See also *Aorta*; *Arteriosclerosis*; *Hypertension*
abnormalities: anomalous origin of left coronary artery from pulmonary artery (Bland-White-Garland syndrome): report of 2 cases [Denko & Hagerty], 142
celiac: coarctation [Piper], 501
pulmonary: aging processes in Negro and white races [Gray & others], 238

Arteriosclerosis
aging processes of aorta and pulmonary artery in Negro and white races [Gray & others], 238
calcium and magnesium content of albuminoid fraction of human aortae [Miller & others], 607
experimental: effect of aureomycin on [Nelson & others], 262
retardation of atheromatosis and adrenal enlargement by heparin in rabbit [Constantinides & others], 36

Arthritis
experimental viral, effect of streptococcal growth products on development [Sokoloff & Beigel], 473

Associations: See *Societies*

Asteroid Bodies: See *Cells, Inclusions*

Atheromatosis: See *Arteriosclerosis*

Aureomycin: See *Chlortetracycline*

Autoradiography: See *Radioactivity*

Awards
Edith Potter awarded honorary degree, 633

Bauer, F. C.
Potassium dichromate poisoning and repeated poisoning with uranyl nitrate: effect on serum lipids of rabbits, 135

Beigel, P. M.
Effect of streptococcal growth products on development of experimental viral arthritis, 473

Bellamy, J.
Histochemical studies in cytomegalic inclusion disease, 360

Berg, J. W.
New method for staining mycobacteria in tissue sections, 656

Revis, R. E.
Use of potassium cyanide in Giemsa stain, 647

Blache, J. O.
Aging processes of aorta and pulmonary artery in Negro and white races: comparative study of various segments, 238

Black, B. K.
Central nervous system: pathology of epidemic typhus, 512

Bland-White-Garland Syndrome: See *Heart, abnormalities*

Bledsoe, A.
Pathologic anatomy of coronary heart disease: particular reference to cardiac muscle bundles, 577

Blood: See also *Erythrocytes*
changes in man following death due to drowning [Durlacher & others], 454
cholesterol: effect of aureomycin on serum levels [Nelson & others], 262
circulation, failure, in epidemic typhus [Wartman], 527
lipids: potassium dichromate poisoning and repeated poisoning with uranyl nitrate: effect on serum lipids of rabbits [Bauer & others], 135

Blood Pressure, High: See *Hypertension*

Blood Vessels: See also *Arteries*
disease: See also *Angitis*
disease: acute diffuse vascular disease elicited by renin in rats pretreated with cortisone [Masson & others], 23

Blumenthal, H. T.
Aging processes of aorta and pulmonary artery in Negro and white races: comparative study of various segments, 238

Bones
comparative study of reaction to injury: hypervitaminosis D in frog with special reference to lime sacs [Schlumberger & Burk], 103
granuloma, eosinophilic: integration with "Letterer-Siwe disease" and "Schüller-Christian disease" as related manifestations of single nosologic entity (histiocytosis X) [Lichtenstein], 84
growth: perosis: epiphyseal cartilage in choline and manganese deficiencies in chick [Wolbach & Hegsted], 437
leontiasis ossea, slipped epiphyses, and granuloma cell tumor of testis with renal disease [Cohen & Diamond], 488
radium deposition in human, investigation by gross and detailed autoradiography [Looney & Woodruff], 1

BOOK REVIEWS

Atlas of Surgical Exposures of Extremities: S. W. Banks and H. Laufman, 229

Atlas of Tumor Pathology: Section IV, Fascicle 14, Tumors of Thyroid Gland; S. Warren and W. A. Meissner, 330

Bone Tumors: L. Lichtenstein, 655

Chemical Induction of Cancer: G. Wolf, 654

Clinical Diagnosis by Laboratory Methods: Working Manual of Clinical Pathology; J. C. Todd, A. H. Sanford, and R. B. Wells, 236

Gifford's Textbook of Ophthalmology: F. H. Adler, 329

BOOK REVIEWS—Continued

Gynecological and Obstetrical Pathology: P. A. Herbut, 229

Handbook of Tropical Dermatology and Medical Mycology: edited by R. D. G. P. Simons, 554

Manual of Clinical Allergy: J. M. Sheldon, R. G. Lovell, and K. P. Mathews, 227

Mechanisms of Disease: Study of Autonomic Nervous System, Endocrine System and Electrolytes in Their Relationship to Clinical Medicine: J. Stambul, 555

Morris' Human Anatomy: Complete Systematic Treatise: edited by J. Parsons, 331

Multiple Myeloma: I. Snapper & others, 655

Nutrition and Diet in Health and Disease: J. S. McLester and W. J. Darby, 227

Pathology of Heart: edited by S. E. Gould, 654

Pharmacology and Toxicology of Uranium Compounds: Chronic Inhalation and Other Studies: edited by C. Voegelin and H. C. Hodge, 229

Physician in Atomic Defense: Atomic Principles, Biologic Reaction and Organization for Medical Defense: T. P. Sears, 331

Physiology and Pathology of Hemostasis: A. J. Quick, 555

Regeneration and Wound-Healing: A. E. Needham, 330

Riddle of Cancer: C. Oberling, 656

Surgery of Infancy and Childhood: Its Principles and Techniques: R. E. Gross, 332

Surgery of Pancreas: R. B. Cattell and K. W. Warren, 554

Synovial Fluid Changes in Joint Disease: M. W. Ropes and W. Bauer, 329

Textbook of Histology: J. F. Nonidez and W. F. Windle, 330

Text-book of Pathology: Introduction to Medicine: W. Boyd, 657

Year Book of Pathology and Clinical Pathology, 1952: edited by H. T. Karsner and A. H. Sanford, 656

Books Received, 227, 328, 554, 654

Brain: See also Nervous System

blood supply: cerebrovascular siderosis in horses [Saunders], 637

disease: See Encephalitis

embolism, fat, subacute, complicated by juxtaembolic thrombosis of fibrin [Cammermeyer], 254

Breast:

stroma: morphological and histochemical study [Ihnen & Perez-Tamayo], 46

Bronchi:

bronchogenic carcinoma, visceral "viral" dissemination in: report of case with autopsy findings [Kaplan & Tully], 312

Burk, D. H.:

Comparative study of reaction to injury: hypervitaminosis D in frog with special reference to lime sacs, 103

Calcium:

content of albuminoid fraction of human aortae [Miller & others], 607

Cammermeyer, J.:

Subacute cerebral fat embolism complicated by juxtaembolic thrombosis of fibrin, 254

Cancer: See also under names of organs and regions, as Colon

argyrafin carcinoma (carcinoïd) of Meckel's diverticulum with metastasis to liver [Stoll], 643

associated with ovarian stromal hyperplasia [Sommers & Lombardi], 462

mucocepidermoid carcinoma of salivary gland: report of case with autopsy findings [MacIntyre], 79

Seminars, 653

Capillaries:

intracapillary precipitates produced in rabbits by means of sodium polyanetholsulfonate [Hausman & Dreyfus], 597

Carbon Tetrachloride:

necrotizing nephrosis in rat following administration [Jennings & Kearns], 348

Carbonaro, L.:

Potassium dichromate poisoning and repeated poisoning with uranyl nitrate: effect on serum lipids of rabbits, 135

Carcinoid: See Cancer

Carcinoma: See Cancer; and under names of organs and regions

Cardiovascular System: See also Blood Vessels; Heart

typhus, epidemic, pathology [Karsner], 409

Carleton, R. L.:

germinal nature of teratoid tumors of thymus, 341

Cartilage:

epiphyseal, in choline and manganese deficiencies in chick [Wolbach & Hegsted], 437

Cells:

inclusions: histochemical studies in cytomegalic inclusion disease [Dyckman & Bellamy], 360

inclusions: relationship of asteroid bodies to lipids [Jaques], 68

Cerebrum: See Brain

Chlortetracycline (aureomycin):

effect on experimental arteriosclerosis and serum cholesterol levels [Nelson & others], 262

Cholera:

hog, virus [review by Sanders & others], 186

Cholesterol: See Lipids

in blood: See under Blood

Choline:

deficiency: epiphyseal cartilage in chick [Wolbach & Hegsted], 437

Choriomeningitis:

lymphocytic, virus [review by Sanders & others], 192

Christian-Schüller Disease: See Schüller-Christian Disease

Chu, P. T.:

Action of Phoselone on alloxan diabetes in rats and rabbits, 572

Clawson, B. J.:

Experimental endocarditis in normal animals and in animals treated with cortisone, 268

Coarctation: See Aorta

Cohen, J.:

Effect of hypervitaminosis A on testes of rat, 333

Leontiasis ossea, slipped epiphyses, and granulosa cell tumor of testis with renal disease: report of case with autopsy findings, 488

Colds:

common cold virus [review by Sanders & others], 169

Collagen Disease:

protective influence of pregnancy on experimental [Holman & Jones], 231

Colloids:

thyroid, observations on [Fisher], 275

Colon:

carcinoma: histologic grading, validity [Qualheim & Gall], 466

Common Cold: See Colds

Constantinides, P.:

Retardation of atherosclerosis and adrenal enlargement by heparin in rabbit, 36

Cooper, Z. K.:

Pathology of epidemic typhus: skin and subcutaneous tissues, 407

Corcoran, A. C.:

Acute diffuse vascular disease elicited by renin in rats pretreated with cortisone, 23

Coronary Vessels:

pathologic anatomy of coronary heart disease: particular reference to cardiac muscle bundles [Miale & Bedsoe], 577

Cortisone:

acute diffuse vascular disease elicited by renin in rats pretreated with [Masson & others], 23

effect on liver regeneration [Perez-Tamayo & others], 629

experimental endocarditis in normal animals and in animals treated with [Clawson], 268

pathology of muscle changes in experimental poliomyelitis enhanced with aid of [Aronson & Schwartzman], 557

Coxsackie Virus: [review by Sanders & others], 169

Cross, G.:

Inhibition of maturation of duck erythrocytes by sodium selenite: counteraction of this effect by cysteine, 374

Cysts: See under names of organs and regions, as Peritoneum

Cystine and Cysteine:

counteraction by cysteine of inhibition of maturation of duck erythrocytes [Rigdon & others], 374

Cytology: See Cells

Osako, J. V.:

Anomalous origin of left coronary artery from pulmonary artery (Bland-White-Garland syndrome): report of 2 cases, 142

Diabetes
 alloxan, action of Phoselite in rats and rabbits [McCloskey & others], 572

Diamond, I.
 Leontiasis ossea, slipped epiphyses, and granulosa cell tumor of testis with renal disease: report of case with autopsy findings, 488

Digestive System
 typhus, epidemic, pathology of alimentary tract [Wartman], 419

Dreyfus, P. M.
 Intracapillary precipitates produced in rabbits by means of sodium polyanetholsulfonate, 597

Drowning
 blood changes in man following death due to [Durlacher & others], 454

Durlacher, S. H.
 Blood changes in man following death due to drowning: with comments on tests for drowning, 454

Dyckman, J.
 Histochemical studies in cytomegalic inclusion disease, 360

Ears
 pathology of epidemic typhus [Wartman], 525

Education
 American Cancer Society, training in exfoliative cytology, 328
 cancer seminars, 653

Eisler, D. M.
 Use of potassium cyanide in Giemsa stain, 647

Embolism
 subacute cerebral fat, complicated by juxtaembolic thrombosis of fibrin [Cammermeyer], 254

Encephalitis
 viruses: Japanese B [review by Sanders & others], 172
 viruses: St. Louis [review by Sanders & others], 173

Endocarditis
 experimental: in normal animals and in animals treated with cortisone [Clawson], 268

Endocrine Glands: See also under names of glands, as Adrenals; Thyroid
 typhus, epidemic, pathology [Moore], 432

Endometrium
 sarcoma of endometrial stroma [Ober & Jason], 301

Epiphyses: See Bones

Erythrocytes
 inhibition of maturation by sodium selenite in duck; counteraction by cysteine [Rigdon & others], 374

Eyes
 pathology of epidemic typhus [Wartman], 524

Favre-Nicolas Disease: See Lymphogranuloma Venereum

Fellowships
 for clinical and experimental research, 436

Fisher, E. R.
 Observations on thyroid colloid, 275

Fitzgerald, Patrick James
 appointment, 436

Foot and Mouth Disease
 virus [review by Sanders & others], 179

Fowl Diseases
 viruses [review by Sanders & others], 181

Freimuth, H. C.
 Blood changes in man following death due to drowning: with comments on tests for drowning, 454

French, A. James
 appointment, 436

Gall, E. A.
 Is histologic grading of colon carcinoma a valid procedure? 466

Genitals
 abnormalities: uterus in man [Prichard], 505
 typhus, epidemic, pathology of female and male genital tract [Moore], 427

Giemsa Stain: See Stains and Staining

Glassy, F. J.
 Rhabdomyosarcoma of vulva and vagina, 364

Graham, P.
 Hypertension in bilaterally nephrectomized dogs in absence of exogenous sodium excess: maintenance of fluid balance during peritoneal irrigation, 286

Granuloma, Eosinophilic: See under Bones

Gray, S. H.
 Aging processes of aorta and pulmonary artery in Negro and white races: comparative study of various segments, 238

del Greco, F.
 Acute diffuse vascular disease elicited by renin in rats pretreated with cortisone, 23

Hagerty, C. S.
 Anomalous origin of left coronary artery from pulmonary artery (Bland-White-Garland syndrome): report of 2 cases, 142

Hand-Schüller-Christian Disease: See Schüller-Christian Disease

Handler, F. P.
 Aging processes of aorta and pulmonary artery in Negro and white races: comparative study of various segments, 238

Harder, F.
 Retardation of atherosclerosis and adrenal enlargement by heparin in rabbit, 36

Hausman, R.
 Intracapillary precipitates produced in rabbits by means of sodium polyanetholsulfonate, 597

Heart: See also Cardiovascular System; Endocarditis; Myocarditis
 abnormalities: anomalous origin of left coronary artery from pulmonary artery (Bland-White-Garland syndrome): report of 2 cases [Denko & Hagerty], 142
 abnormalities: coexisting congenital stenoses of aortic and pulmonic ostia [Richter], 392
 abnormalities: morphology of kidney in morbus caeruleus [Meessen & Litton], 480
 pathology: pathologic anatomy of coronary heart disease: particular reference to cardiac muscle bundles [Miale & Bledsoe], 577

Hegsted, D. M.
 Porosis: epiphyseal cartilage in choline and manganese deficiencies in chick, 437

Helpern, M. M.
 Free cysts of peritoneal space: report of 4 examples disclosed at operation or autopsy, 386

Hematopoietic System
 tissues, pathology of epidemic typhus [Smith], 429

Hematoxylin Bodies
 associated with allergic angitis in absence of lupus erythematosus [Worken & Pearson], 293

Heparin
 retardation of atherosclerosis and adrenal enlargement in rabbit by [Constantinides & others], 36

Hepatitis
 infectious, virus [review by Sanders & others], 187

Herpes
 simplex, viruses [review by Sanders & others], 184

Hirsch, E. F.
 Potassium dichromate poisoning and repeated poisoning with uranyl nitrate: effect on serum lipids of rabbits, 135

Hirschman, A.
 Calcium and magnesium content of albuminoid fraction of human aortae, 607

Histiocytosis
 X: integration of eosinophilic granuloma of bone, "Letterer-Siwe disease," and "Schüller-Christian disease" as related manifestations of single nosologic entity [Lichtenstein], 84

Holman, R. L.
 Protective influence of pregnancy on experimental collagen disease lesions, 231

Hyperlipemia: See Blood, Lipids

Hypertension
 in bilaterally nephrectomized dogs in absence of exogenous sodium excess: maintenance of fluid balance during peritoneal irrigation [Muirhead & others], 286

Hypervitaminosis: See Vitamins

Ihssen, M.
 Breast stroma: morphological and histochemical study, 46

Effect of cortisone and partial starvation on liver regeneration, 629

Inclusion Bodies: See under Cells

Influenza
 virus [review by Sanders & others], 189

International Association of Medical Museums, 436

Intestines
 argentaffin carcinoma (carcinoid) of Meckel's diverticulum with metastasis to liver [Stoll], 643

Islands of Langerhans: See Pancreas

Ivy, A. C.
Effect of aureomycin on experimental arteriosclerosis and serum cholesterol levels, 262

Jaques, W. E.
Relationship of asteroid bodies to lipids, 68

Jason, R. S.
Sarcoma of endometrial stroma, 301

Jaundice, Homologous Serum: See Hepatitis, Infectious

Jennings, H. B.
Necrotizing nephrosis in rat following administration of carbon tetrachloride, 348

Johnson, G. C.
Potassium dichromate poisoning and repeated poisoning with uranyl nitrate: effect on serum lipids of rabbits, 135

Jones, C. K.
Protective influence of pregnancy on experimental collagen disease lesions, 231

Jones, F.
Hypertension in bilaterally nephrectomized dogs in absence of exogenous sodium excess: maintenance of fluid balance during peritoneal irrigation, 286

Kaplan, L.
Visceral "viral" dissemination in patient with bronchogenic carcinoma: report of case with autopsy findings, 312

Karsner, H. T.
Cardiovascular system: pathology of epidemic typhus, 409

Pathology of epidemic typhus: report of fatal cases studied by U. S. A. Typhus Commission in Cairo, Egypt, 1943-1945, 397

Kearns, W. M., Jr.
Necrotizing nephrosis in rat following administration of carbon tetrachloride, 348

Keratoconjunctivitis epidemic, virus [review by Sanders & others], 175

Kidneys: See also Urinary Tract
acute diffuse vascular disease elicited by renin in rats pretreated with cortisone [Masson & others], 23

disease: leontiasis ossea, slipped epiphyses, and granulosa cell tumor of testis with [Cohen & Diamond], 488

effect of injecting rats with homologous renal tissue mixed with adjuvants or streptococci [Middleton & others], 125

excision: hypertension in bilaterally nephrectomized dogs in absence of exogenous sodium excess [Muirhead & others], 286

function, in epidemic typhus [Wartman], 527

morphology in morbus caeruleus [Meessen & Litton], 480

necrotizing nephrosis in rat following administration of carbon tetrachloride [Jennings & Kearns], 348

Kiem, I.
Cultivation of viruses: critical review, 148

Kraemer, D. M.
Calcium and magnesium content of albuminoid fraction of human aortae, 607

Kuzma, Joseph F.
appointment, 436

Lagunoff, D.
Cultivation of viruses: critical review, 148

Langerhans Islets: See Pancreas

Leontiasis Ossea: See under Bones

Letterer-Siwe Disease
integration with eosinophilic granuloma of bone, and "Schüller-Christian disease" as related manifestations of single nosologic entity (histiocytosis X) [Lichtenstein], 84

Lichtenstein, L.
Histiocytosis X: integration of eosinophilic granuloma of bone, "Letterer-Siwe disease," and "Schüller-Christian disease" as related manifestations of single nosologic entity, 84

Lillie, R. D.
Central nervous system: pathology of epidemic typhus, 512

Lipids
in blood: See under Blood
relationship of asteroid bodies to [Jaques], 68

Liquid: See Sodium Polyacethoxysulfonate

Littton, M. A.
Morphology of kidney in morbus caeruleus, 480

Liver: See also Hepatitis
argentaffin carcinoma (carcinoid) of Meckel's diverticulum with metastasis to [Stoll], 643
regeneration: effect of cortisone and partial starvation on [Perez-Tamayo & others], 629

Lombard, O. M.
Cancer associated with ovarian stromal hyperplasia, 462

Looney, W. B.
Investigation of radium deposition in human skeleton by gross and detailed autoradiography, 1

Lupus erythematosus: hematoxylin bodies associated with allergic angitis in absence of [Worken & Pearson], 293

Lymphogranuloma Venereum virus [review by Sanders & others], 193

McCloskey, J. F.
Action of Phoselite on alloxan diabetes in rats and rabbits, 572

McConnell, K. P.
Inhibition of maturation of duck erythrocytes by sodium selenite: counteraction of this effect by cysteine, 374

Macintyre, H. W.
Mucoepidermoid carcinoma of salivary gland: report of case with autopsy findings, 79

Maddock, C. L.
Effect of hypervitaminosis A on testes of rat, 333

Masson, G. M. C.
content of albuminoid fraction of human aortae [Miller & others], 607

Mammary Glands: See Breast

Manganese deficiency: epiphyseal cartilage in chick [Wolbach & Hegsted], 437

Masson, G. M. C.
Acute diffuse vascular disease elicited by renin in rats pretreated with cortisone, 23

Measles virus [review by Sanders & others], 194

Meckel's Diverticulum: See under Intestines

Meessen, H.
Morphology of kidney in morbus caeruleus, 480

Miale, J. B.
Pathologic anatomy of coronary heart disease: particular reference to cardiac muscle bundles, 377

Miale, John D.
appointment, 436

Middleton, E., Jr.
Effect of injecting rats with homologous renal tissue mixed with adjuvants or streptococci, 125

Middleton, E. B.
Effect of injecting rats with homologous renal tissue mixed with adjuvants or streptococci, 125

Miller, H.
Calcium and magnesium content of albuminoid fraction of human aortae, 607

Moore, R. A.
Endocrine glands: pathology of epidemic typhus, 432

Genital tract, female and male: pathology of epidemic typhus, 427

Musculoskeletal system: pathology of epidemic typhus, 433

Moore, Robert A.
appointment, 653

Morbus Caeruleus: See Heart, abnormalities

Moritz, A. R.
Urinary tract: pathology of epidemic typhus, 422

Muirhead, E. E.
Hypertension in bilaterally nephrectomized dogs in absence of exogenous sodium excess: maintenance of fluid balance during peritoneal irrigation, 286

Mumps virus [review by Sanders & others], 197

Murphy, W. R.
Effect of cortisone and partial starvation on liver regeneration, 629

Muscles
pathology of changes in experimental poliomyelitis enhanced with aid of cortisone [Aronson & Schwartzman], 557

pathology of epidemic typhus [Moore], 433

Musculoskeletal System: See Bones; Muscles

Mycobacteria
new method for staining in tissue sections [Berg], 650

Myocarditis
viral, effect of hemolytic toxin of *Streptococcus pyogenes* on [Pearce], 13

National Research Council, Committee on Pathology
Pathology of epidemic typhus: report of fatal cases studied by U. S. A. Typhus Commission in Cairo, Egypt, 1943-1945, 397, 512

Negroes
aging processes of aorta and pulmonary artery in white races and [Gray & others], 238

Nelson, D.
Effect of aureomycin on experimental arteriosclerosis and serum cholesterol levels, 262

Nephrectomy: See Kidneys, excision

Nephrosis: See Kidneys

Nerenberg, S. T.
Hydropic changes in beta cells of islets of Langerhans: experimental hydropic changes not associated with diabetes mellitus, 75

Nerves
peripheral, and ganglia, pathology of epidemic typhus [Wartman], 523

Nervous System: See also Brain; Nerves
central, pathology of epidemic typhus [Lillie & others], 512

Newcastle Disease
virus [review by Sanders & others], 199

Nicolas-Favre Disease: See Lymphogranuloma Venereum

Nomenclature
histiocytosis X as designation for nosologic entity—eosinophilic granuloma of bone, "Letterer-Siwe disease," and "Schüller-Christian disease" [Lichtenstein], 84

Ober, W. B.
Rhabdomyosarcoma of vulva and vagina, 364

Sarcoma of endometrial stroma, 301

Old Age: See Age

Oliver, Jean
appointment, 436

Ovary
stromal hyperplasia, cancer associated with [Sommers & Lombard], 462

Page, I. H.
Acute diffuse vascular disease elicited by renin in rats pretreated with cortisone, 23

Palmer, R. E.
Rhabdomyosarcoma of vulva and vagina, 364

Pancreas
hydropic changes in beta cells of islets of Langerhans: experimental changes not associated with diabetes mellitus [Nerenberg], 75

Pappenheimer, A. M.
Respiratory tract: pathology of epidemic typhus, 413

Parotid Gland: See Mumps; Salivary Glands

Pearce, J. M.
Effect of hemolytic toxin of *Streptococcus pyogenes* on viral myocarditis in rabbit, 13

Pearson, R. D.
Hematoxylin bodies associated with allergic angitis in absence of lupus erythematosus, 293

Perez-Tamayo, R.
Breast stroma: morphological and histochemical study, 46

Effect of cortisone and partial starvation on liver regeneration, 629

Peritoneum
free cysts of peritoneal space [Tedeschi & Helpern], 386

Perkins, E.
Action of Phoselite on alloxan diabetes in rats and rabbits, 572

Petrosis
epiphyseal cartilage in choline and manganese deficiencies in chick [Wolbach & Hegsted], 437

Phoselite
action on alloxan diabetes in rats and rabbits [McCloskey & others], 572

Piper, P. G.
Coarctation of celiac artery, 501

Poisons and Poisoning: See under names of specific substances, as Carbon Tetrachloride

Poliomyelitis
experimental, pathology of muscle changes enhanced with aid of cortisone [Aronson & Schwartzman], 557

virus [review by Sanders & others], 200

Potassium
Cyanide: use in Giemsa stain [Elsler & Bevis], 647

dichromate poisoning and repeated poisoning with uranyl nitrate: effect on serum lipids of rabbits [Bauer & others], 135

Potter, Edith
awarded honorary degree, 653

Pregnancy
protective influence on experimental collagen disease lesions [Holman & Jones], 231

Prichard, R. W.
Uterus in man, 505

Psittacosis
virus [review by Sanders & others], 207

Pugsley, W. S.
Geminal nature of teratoid tumors of thymus, 341

Pulmonary Stenosis
coexisting congenital stenoses of aortic and pulmonary ostia [Richter], 392

Qualheim, R. E.
Is histologic grading of colon carcinoma a valid procedure? 466

Rabies
virus [review by Sanders & others], 210

Races: See Negroes

Radioactivity
investigation of radium deposition in human skeleton by gross and detailed autoradiography [Looney & Woodruff], 1

Radium: See Radioactivity

Red Blood Cells: See Erythrocytes

Renin: See under Kidneys

Respiratory Tract
common cold virus [review by Sanders & others], 169

typhus, epidemic, pathology [Pappenheimer], 415

Rhabdomyosarcoma
of vulva and vagina [Ober & others], 364

Richter, G. W.
Coexisting congenital stenoses of aortic and pulmonary ostia, 392

Rigdon, R. H.
Inhibition of maturation of duck erythrocytes by sodium selenite: counteraction of this effect by cysteine, 374

Salivary Glands
generalized virus infection: case in adult [Ammomin], 323

mucoepidermoid carcinoma: report of case with autopsy findings [MacIntyre], 79

Sanders, M.
Cultivation of viruses: critical review, 148

Sarcoma
of endometrial stroma [Ober & Jason], 301

Saunders, L. Z.
Cerebrovascular siderosis in horses, 637

Schlumberger, H. G.
Comparative study of reaction to injury: hypervitaminosis D in frog with special reference to lime sacs, 103

Schüller-Christian Disease
integration with eosinophilic granuloma of bone and "Letterer-Siwe Disease" as related manifestations of single nosologic entity (histiocytosis X) [Lichtenstein], 84

Segal, B. C.
Effect of injecting rats with homologous renal tissue mixed with adjuvants or streptococci, 125

Selenium Compounds
toxicity: inhibition of maturation of duck erythrocytes by sodium selenite: counteraction by cysteine [Rigdon & others], 374

Siderosis
cerebrovascular in horses [Saunders], 637

Schwartzman, G.
Pathology of muscle changes in experimental poliomyelitis enhanced with aid of cortisone, 557

Siwe-Letterer Disease: See Letterer-Siwe Disease

Skeleton: See Bones

Skin
and subcutaneous tissues: pathology of epidemic typhus [Cooper], 407

Smallpox
variola and vaccinia viruses [review by Sanders & others], 215

Smith, D. E.
Central nervous system: pathology of epidemic typhus, 512

Smith, E. B.
Hematopoietic tissues: pathology of epidemic typhus, 429

Societies
American Academy of Forensic Sciences, 436
American Association of Blood Banks, 226
American Cancer Society, 228
American Society for Experimental Pathology, 226
International Association of Medical Museums, 436
Wisconsin Society of Pathologists, 633

Sodium
 α -hydroxybenzylphosphonate: See Phosfotase
metabolism: hypertension in bilaterally nephrectomized dogs in absence of exogenous sodium excess [Muirhead & others], 286

polyanetholesulfonate: intracapillary precipitates produced in rabbits by means of [Hausman & Dreyfus], 597

Sokoloff, L.
Effect of streptococcal growth products on development of experimental viral arthritis, 473

Summers, S. C.
Cancer associated with ovarian stromal hyperplasia, 462

Stains and Staining
new method for staining mycobacteria in tissue sections [Berg], 650
use of potassium cyanide in Giemsa stain [Eisler & Bevis], 647

Stoll, H. C.
Argentaffin carcinoma (carcinoïd) of Meckel's diverticulum with metastasis to liver, 643

Streptococci
effect of streptococcal growth products on development of experimental viral arthritis [Sokoloff & Beigel], 473
pyogenes, hemolytic toxin, effect on viral myocarditis in rabbit [Pearce], 13

Suprarenals: See Adrenals

Swan, H. E. Jr.
Blood changes in man following death due to drowning: with comments on tests for drowning, 454

Szasz, G.
Retardation of atheromatosis and adrenal enlargement by heparin in rabbit, 36

Tedeschi, C. G.
Free cysts of peritoneal space: report of 4 examples disclosed at operation or autopsy, 386

Teratoma
germinal nature of teratoid tumors of thymus [Pugsley & Carleton], 341

Testes
effect of hypervitaminosis in rat [Maddock & others], 333
tumor, granulosa cell, and leontiasis ossea and slipped epiphyses with renal disease [Cohen & Diamond], 488

Thrombosis
subacute cerebral fat embolism complicated by juxtaembolic thrombosis of fibrin [Cammermeyer], 254

Thymus
teratoid tumors, germinal nature [Pugsley & Carleton], 341

Thyroid
colloid, observations on [Fisher], 275
tumors: experimental thyroid tumorigenesis in rats: predominance of neoplasm type and influence of age [Van Dyke], 613

Tissue
connective: breast stroma: morphological and histochemical study [Ihnken & Perez-Tamayo], 46
culture: effect of injecting rats with homologous renal tissue mixed with adjuvants or streptococci [Middleton & others], 125

Tissue—Continued
culture techniques in study of viruses [review by Sanders & others], 163
transplantation, bulletin on, 226
Transplantation Bulletin, 226

Tully, J. B.
Visceral "viral" dissemination in patient with bronchogenic carcinoma: report of case with autopsy findings, 312

Tumors: See Cancer; and under names of tumors and of organs and regions

Typhus
pathology of epidemic: report of U. S. A. Typhus Commission, Cairo, Egypt, 1943-1945, National Research Council, Committee on Pathology, 397, 512; bibliography, 532; illustrations, 537

Uranium
poisoning with uranyl nitrate and potassium dichromate: effect on serum lipids of rabbits [Bauer & others], 135

Uranyl Nitrate: See Uranium

Urinary Tract: See also Kidneys
typhus, epidemic, pathology [Moritz], 422

Uterus: See also Endometrium in man [Prichard], 505

Vaccinia: See Smallpox

Vagina
rhabdomyosarcoma [Ober & others], 364

Van Dyke, J. H.
experimental thyroid tumorigenesis in rats: predominance of neoplasm type and influence of age, 613

Varicella: See Smallpox

Viruses: See also under names of viruses and of diseases, as Myocarditis; Poliomyelitis
cultivation: critical review [Sanders & others], 148
cultivation, standards for [review by Sanders & others], 150
effect of streptococcal growth products on development of experimental viral arthritis [Sokoloff & Beigel], 473
multiplication [review by Sanders & others], 160
salivary gland infection, generalized: case in adult [Amromin], 323
visceral "viral" dissemination in patient with bronchogenic carcinoma: report of case with autopsy findings [Kaplan & Tully], 312

Vitamins
A: effect of hypervitaminosis on testes of rat [Maddock & others], 333
D: hypervitaminosis in frog with special reference to lime sacs: comparative study of reaction to injury [Schlumberger & Burk], 103

Vulva
rhabdomyosarcoma [Ober & others], 364

Wartman, W. B.
Alimentary tract and associated organs: pathology of epidemic typhus, 419
Pathology of epidemic typhus, 404, 523

Willimann, R.
Effect of aureomycin on experimental arteriosclerosis and serum cholesterol levels, 262

Wisconsin Society of Pathologists, 653

Wolbach, S. B.
Effect of hypervitaminosis A on testes of rat, 333
Perosis: epiphyseal cartilage in choline and manganese deficiencies in chick, 437

Woodruff, L. A.
Investigation of radium deposition in human skeleton by gross and detailed autoradiography, 1

Worken, B.
Hematoxylin bodies associated with allergic angitis in absence of lupus erythematosus, 293

Yellow Fever
virus [review by Sanders & others], 221

Zuckner, J.
Aging processes of aorta and pulmonary artery in Negro and white races: comparative study of various segments, 238